

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087200.D
 Acq On : 26 Jun 2025 17:36
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Jun 27 05:20:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:16:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/27/2025
 Supervised By : Mahesh Dadoda 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	170364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	268524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	48705	19.866	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.740%#		
35) Dibromofluoromethane	8.171	113	40792	23.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	47.000%#		
50) Toluene-d8	10.565	98	170429	23.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	47.480%#		
62) 4-Bromofluorobenzene	12.847	95	58533	23.494	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	46.980%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	42367	19.845	ug/l	97
3) Chloromethane	2.395	50	42188	20.239	ug/l	94
4) Vinyl Chloride	2.554	62	46155	20.491	ug/l	98
5) Bromomethane	2.989	94	25150	20.805	ug/l	95
6) Chloroethane	3.148	64	24283	20.631	ug/l	95
7) Trichlorofluoromethane	3.530	101	60511	22.560	ug/l	98
8) Diethyl Ether	3.983	74	27699	23.216	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.395	101	45818	22.596	ug/l	97
10) Methyl Iodide	4.612	142	30583	18.314	ug/l	96
11) Tert butyl alcohol	5.536	59	56922	105.373	ug/l	100
12) 1,1-Dichloroethene	4.371	96	44084	22.059	ug/l	98
13) Acrolein	4.195	56	38641	86.757	ug/l	97
14) Allyl chloride	5.048	41	69613	21.069	ug/l	98
15) Acrylonitrile	5.736	53	157621	106.494	ug/l	99
16) Acetone	4.448	43	134913	109.535	ug/l	99
17) Carbon Disulfide	4.742	76	137611	22.505	ug/l	97
18) Methyl Acetate	5.042	43	64268	21.151	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	153142	22.248	ug/l	100
20) Methylene Chloride	5.301	84	51396	22.998	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	49088	22.147	ug/l	99
22) Diisopropyl ether	6.689	45	155435	21.840	ug/l	98
23) Vinyl Acetate	6.618	43	706511	111.013	ug/l	99
24) 1,1-Dichloroethane	6.583	63	91143	21.684	ug/l	99
25) 2-Butanone	7.495	43	214331	115.308	ug/l	96
26) 2,2-Dichloropropane	7.500	77	75173	22.499	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	57553	22.333	ug/l	99
28) Bromochloromethane	7.818	49	40932	22.152	ug/l	98
29) Tetrahydrofuran	7.847	42	144001	118.160	ug/l	97
30) Chloroform	7.977	83	89842	22.660	ug/l	98
31) Cyclohexane	8.265	56	77867	20.515	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	72976	21.424	ug/l	99
36) 1,1-Dichloropropene	8.377	75	60757	23.893	ug/l	100
37) Ethyl Acetate	7.571	43	85989	25.111	ug/l	99
38) Carbon Tetrachloride	8.371	117	60127	24.279	ug/l	98
39) Methylcyclohexane	9.606	83	76987	24.815	ug/l	98
40) Benzene	8.606	78	183705	23.382	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	42490	25.531	ug/l	97
42) 1,2-Dichloroethane	8.677	62	53988	21.137	ug/l	99
43) Isopropyl Acetate	8.694	43	97071	20.765	ug/l	99
44) Trichloroethene	9.359	130	45669	24.277	ug/l	95
45) 1,2-Dichloropropane	9.624	63	51430	25.395	ug/l	100
46) Dibromomethane	9.712	93	35247	25.682	ug/l	98
47) Bromodichloromethane	9.888	83	70549	25.595	ug/l	98
48) Methyl methacrylate	9.683	41	56485	24.991	ug/l	98
49) 1,4-Dioxane	9.706	88	16017	413.699	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	393796	115.127	ug/l	99
52) Toluene	10.630	92	126615	25.208	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	76661	24.943	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	82961	25.369	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	48288	25.419	ug/l	99
56) Ethyl methacrylate	10.883	69	73482	22.589	ug/l	97
57) 1,3-Dichloropropane	11.165	76	84644	25.220	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	179171	101.331	ug/l	100
59) 2-Hexanone	11.206	43	232303	111.698	ug/l	96
60) Dibromochloromethane	11.359	129	51223	24.794	ug/l	99
61) 1,2-Dibromoethane	11.465	107	50336	25.067	ug/l	98
64) Tetrachloroethene	11.100	164	38772	20.669	ug/l	97
65) Chlorobenzene	11.888	112	141776	20.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	45618	21.009	ug/l	99
67) Ethyl Benzene	11.959	91	236965	20.901	ug/l	99
68) m/p-Xylenes	12.071	106	184445	42.518	ug/l	99
69) o-Xylene	12.394	106	84954	21.543	ug/l	98
70) Styrene	12.412	104	147068	21.727	ug/l	99
71) Bromoform	12.577	173	33471	20.770	ug/l #	99
73) Isopropylbenzene	12.694	105	218564	21.689	ug/l	99
74) N-amyl acetate	12.535	43	78171m	20.993	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	77858	21.452	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	63938m	18.258	ug/l	
77) Bromobenzene	12.976	156	52344	21.373	ug/l	99
78) n-propylbenzene	13.035	91	267638	21.563	ug/l	100
79) 2-Chlorotoluene	13.124	91	161418	20.892	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	180017	21.639	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	30827	20.832	ug/l	90
82) 4-Chlorotoluene	13.218	91	165748	21.518	ug/l	99
83) tert-Butylbenzene	13.435	119	151859	21.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	181793	21.536	ug/l	100
85) sec-Butylbenzene	13.612	105	228579	21.712	ug/l	100
86) p-Isopropyltoluene	13.724	119	186341	21.581	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	104141	21.131	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	102599	20.248	ug/l	96
89) n-Butylbenzene	14.053	91	173749	21.658	ug/l	99
90) Hexachloroethane	14.329	117	34185	20.458	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	96075	20.699	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	16960	20.470	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	53745	20.799	ug/l	99
94) Hexachlorobutadiene	15.494	225	16783	20.589	ug/l	100
95) Naphthalene	15.635	128	202398	20.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	51827	20.314	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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